



South San Francisco Bay Shoreline Project

Water 101 Academy, Session 3 – April 1, 2020

Presented by: Sunshine V. Julian, Capital Engineering Manager



Agenda

- **Shoreline Phase I**
 - Authorized Project
 - Project Need
 - Schedule

- **Shoreline Phase II**
 - Feasibility Study



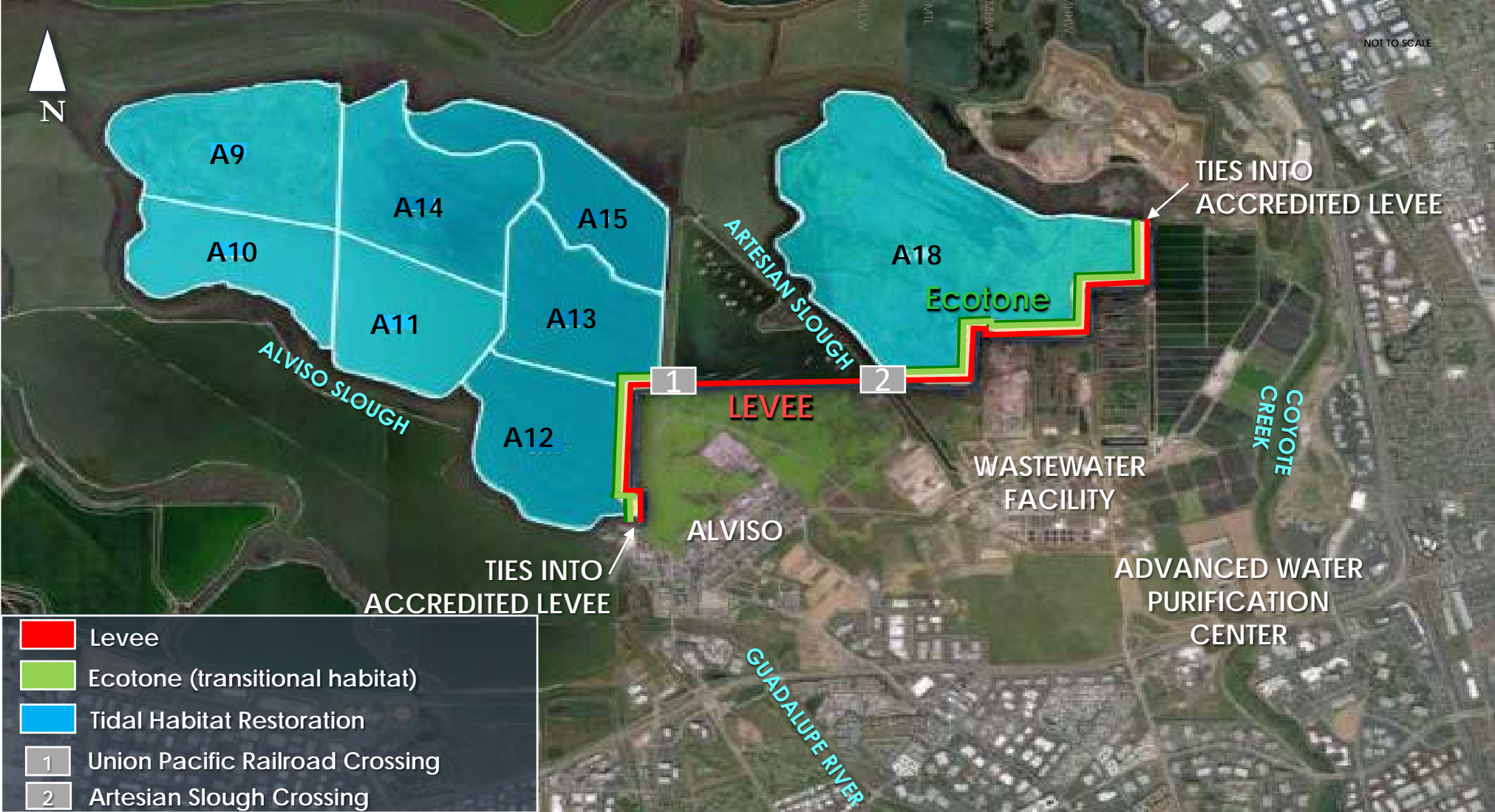
Alviso Post Office, 1983



Figure A

- Legend**
- Project Levee
 - Existing Trail
 - EIA Boundary

Authorized Project – Phase 1 (EIA 11)



Authorized Project – Phase 1 (EIA 11)

Project Components

✓ Flood Risk Management

- 4-miles of levee to protect from coastal flooding and rising seas
- Manages flood risk for population of ~5,500, ~1,100 structures, & regional wastewater facility

✓ Ecosystem Restoration

- 2,900 acres of tidal wetlands including ecotone (transitional habitat)

✓ Recreation

- Provides key connections to San Francisco Bay Trail & viewpoints



Project Need – Flood Risk Management

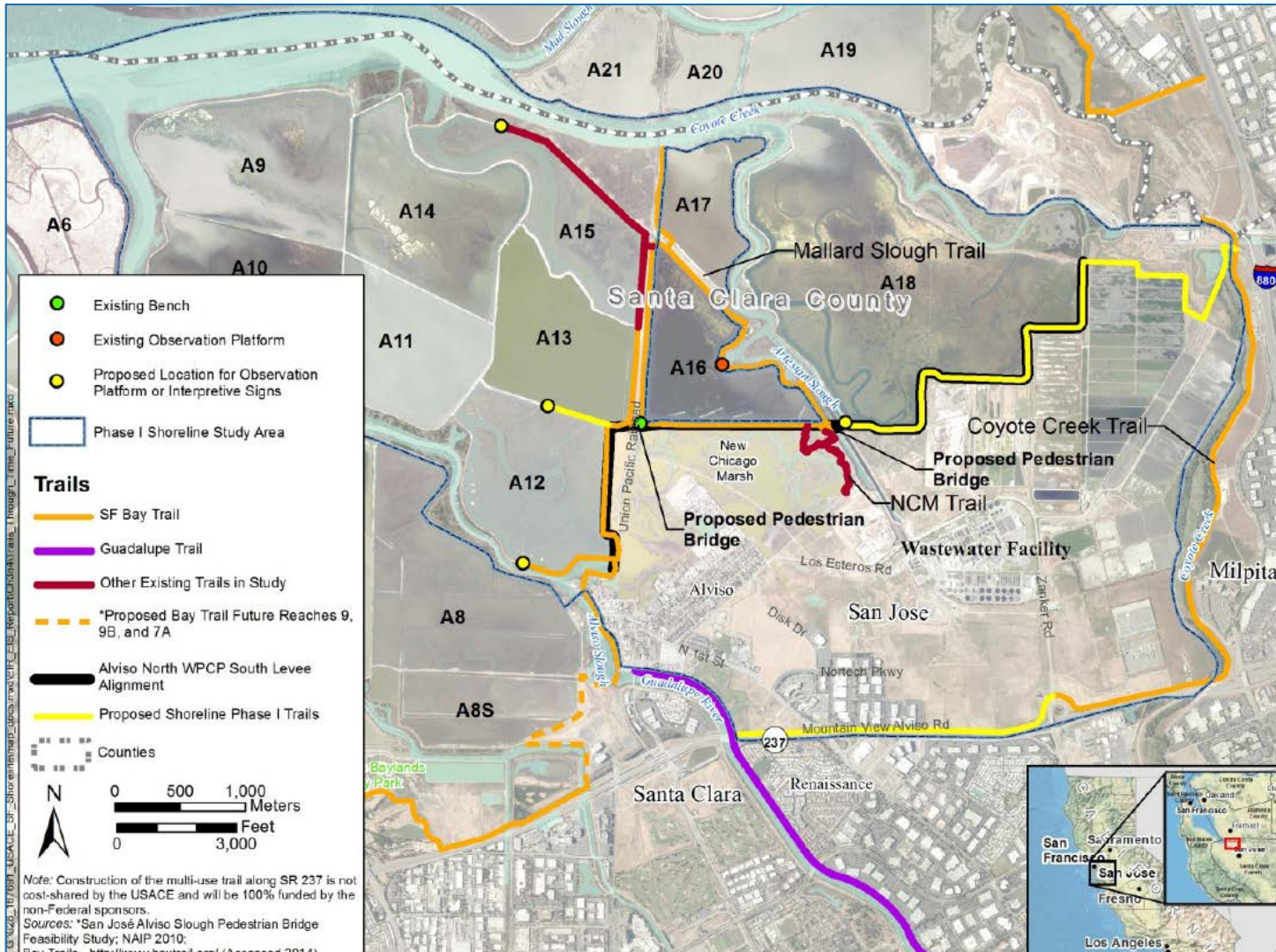


Project Need - Recreation

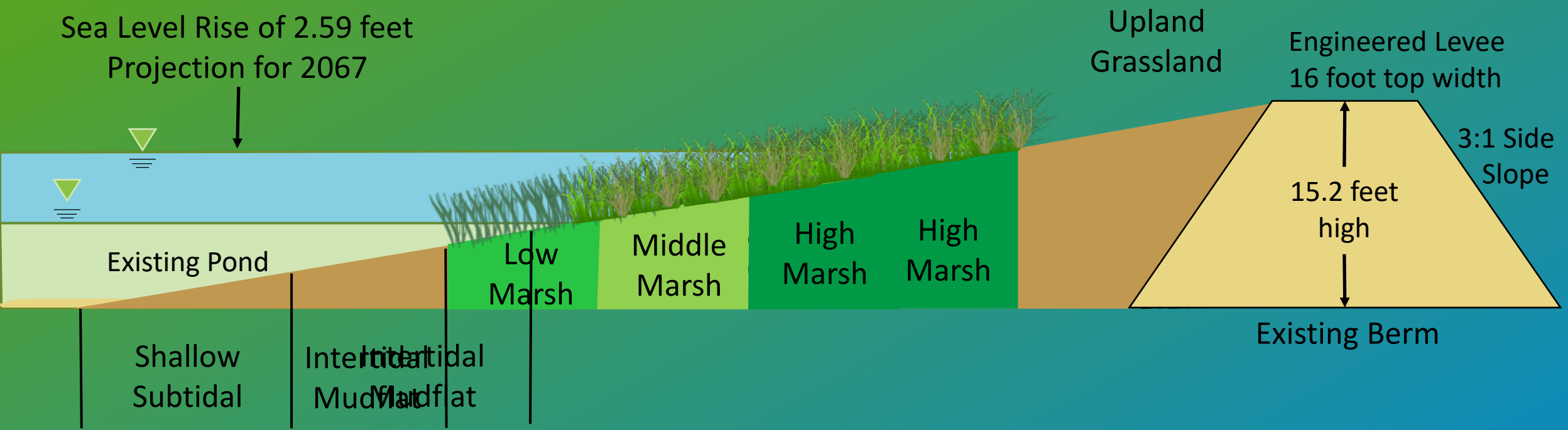


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Post-Project Recreation Access



Ecotone & Levee Cross-Section

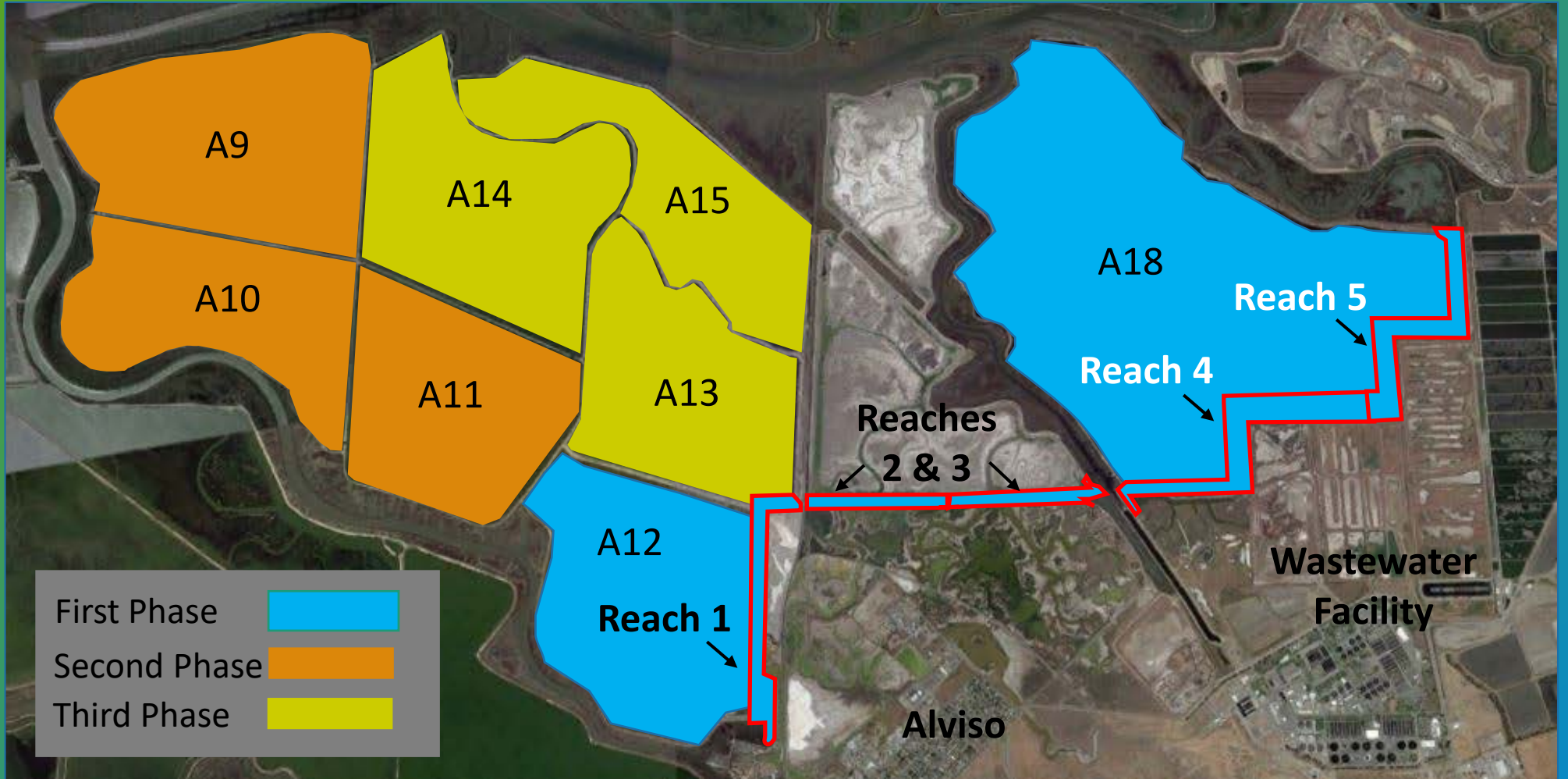


SOUTH BAY SHORELINE PROJECT TRANSITION ZONE—TYPICAL CROSS SECTION

First Phase
(2019-2023)

Second Phase
(2027)

Third Phase
(2032)



Shoreline Phase I Schedule

12

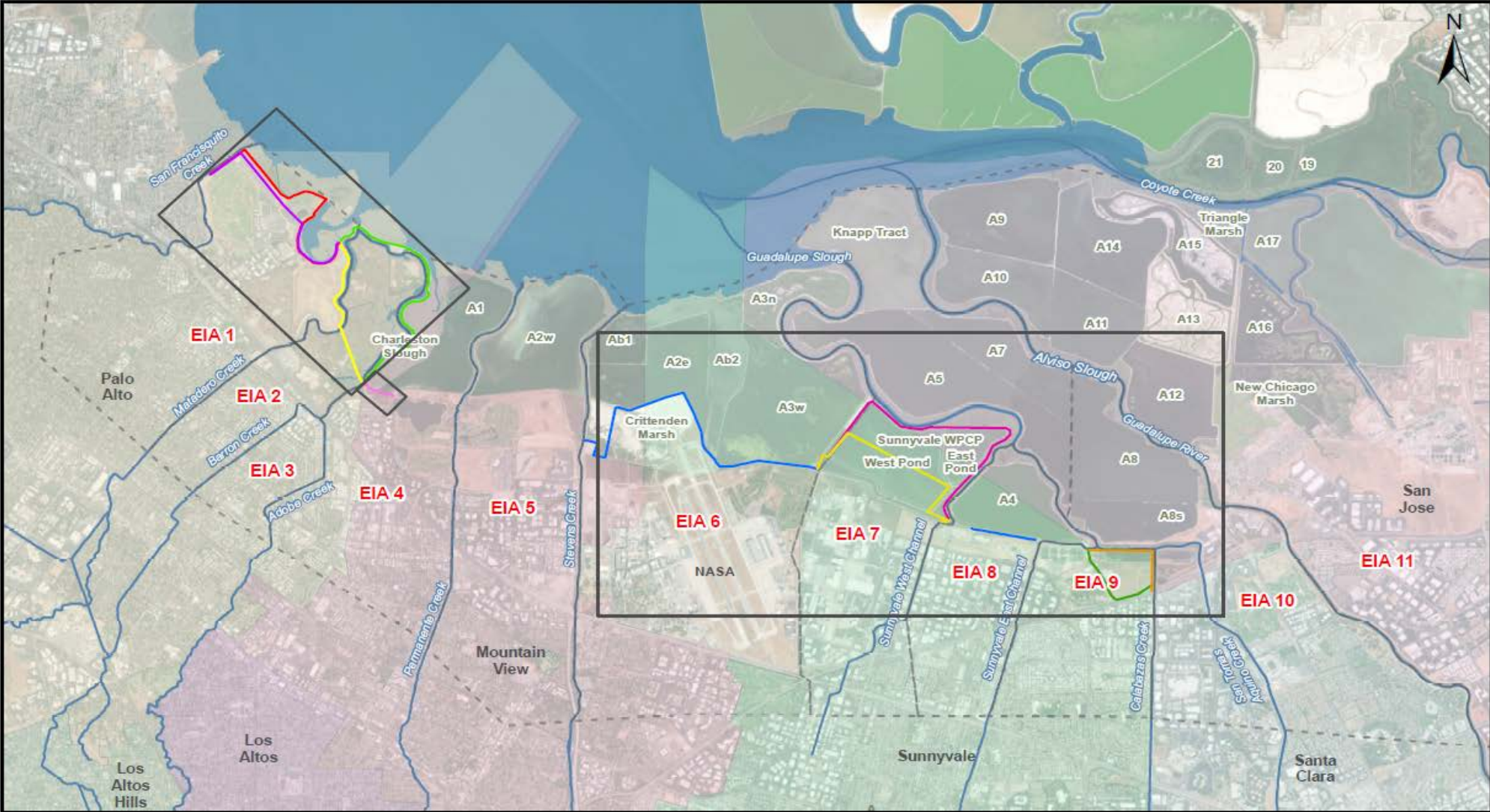
- July-November 2019: Delivered fill for Reaches 1-3
- December 2019: Advertised Reaches 1-3 for Construction
- April 2020: 30% design to be completed for Reaches 4-5
- May 2021: Complete design for Reaches 4-5
- December 2021: Advertise construction of Reaches 4-5

Shoreline Phase II

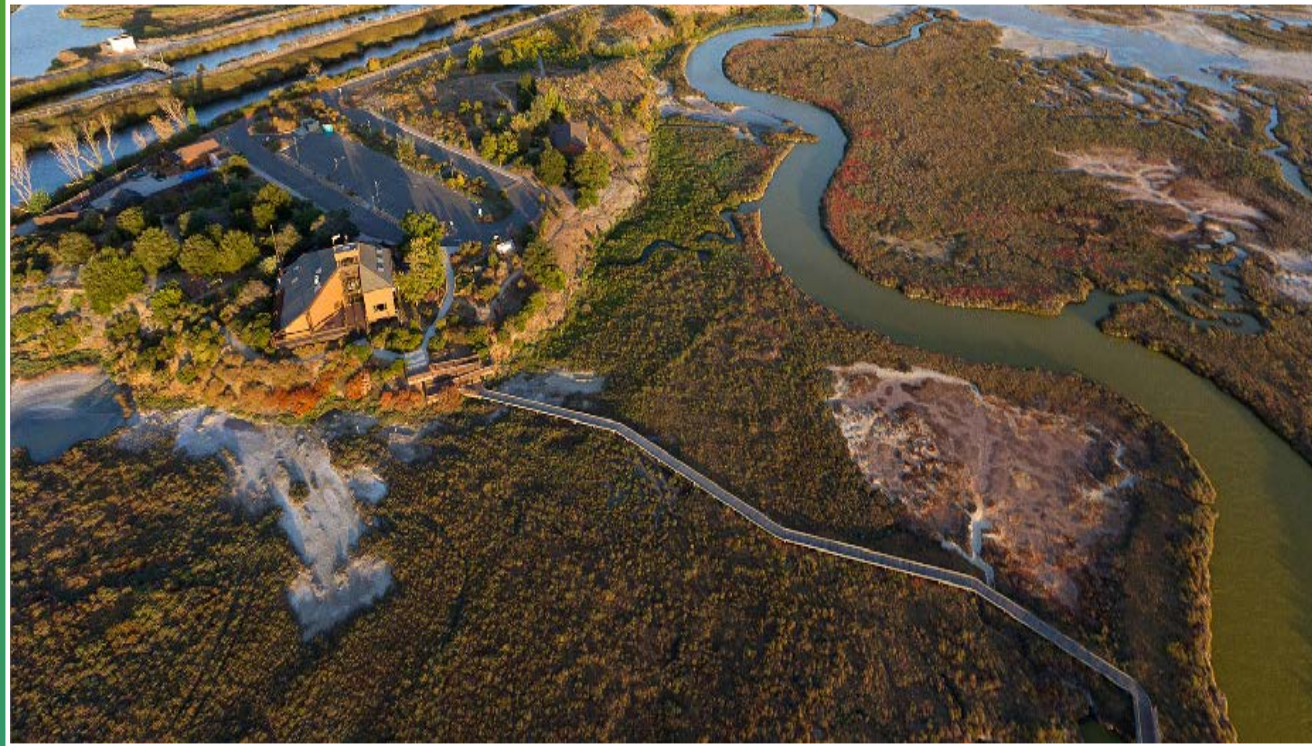
- ✓ Flood Risk Management
- ✓ Ecosystem Restoration
- ✓ Recreation



Shoreline Phase II



Questions



New Chicago Marsh, Alviso. Photo credit: Cris Benton



Valley Water

Clean Water • Healthy Environment • Flood Protection